



# Acquisition Improvement Objectives

## *Focus on Lead Systems Integrator*

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***PEO C4I & SPACE***



# Topics

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- ❖ PEO C4I and Space FY-06 Focus Areas
- ❖ Areas of Reform
- ❖ LSI Objectives
- ❖ Organizational Responsibilities
- ❖ Next Steps



# PEO C4I and Space FY-06 Focus Areas

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- ❖ Make our Organizational Precepts a Reality.
- ❖ Implement a Complete C4I Integrated Roadmap.
- ❖ Improve Program Execution.
- ❖ Achieve more Predictive Acquisition Results.
- ❖ Drive Consistency in System Engineering and Development.
- ❖ Improve PEO's Operational Processes.

**Improve Acquisition Discipline**



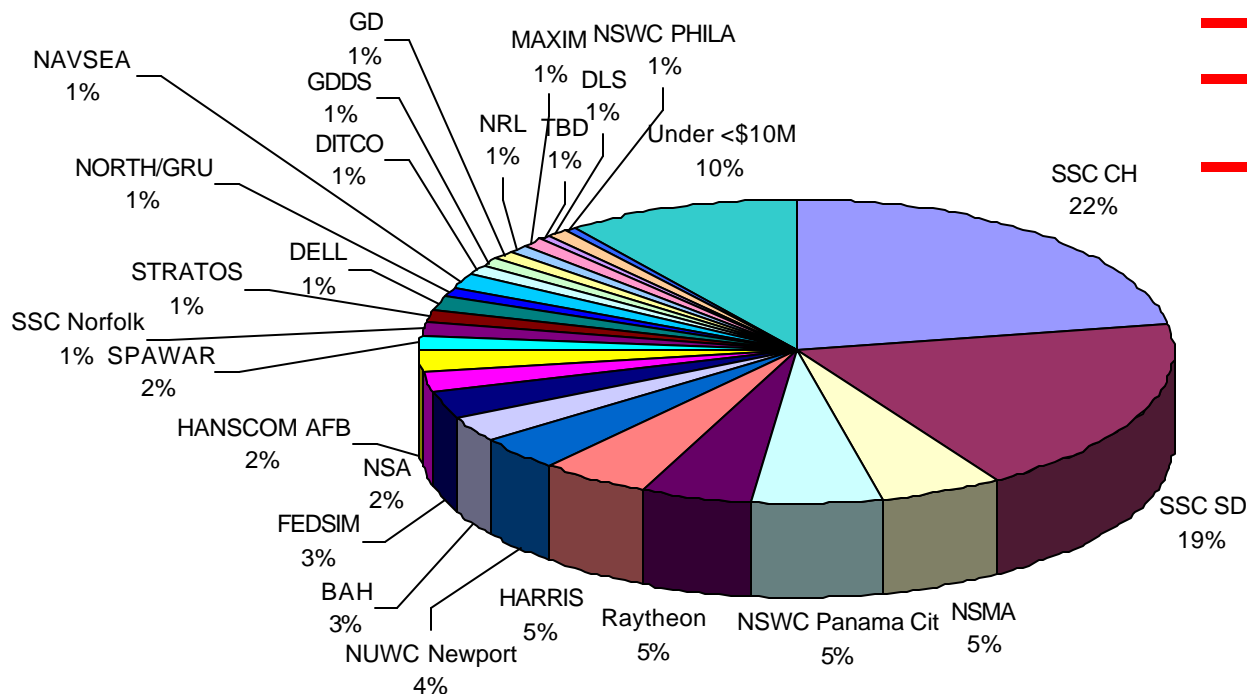
# Areas of Reform

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- ❖ “Just in time” management culture
  - Propensity to use lack of testable requirements, acquisition plans and contracting strategy as means to gain flexibility
  - Inefficiencies in execution from lack of planning
  - Missing out on competition and incentives that lower cost and increase performance
- ❖ Inconsistency with best practices and DOD 5000 acquisition framework
- ❖ Tendency to use a variety of IDIQ-type contracts, SETA contractors, and Systems Center to deliver single end-item



# Total FY04 PEO C4I & Space Funding By Performer \*



Activity	Total	%
SSC CH	419,574,868	22.3%
SSC SD	355,764,509	18.9%
NSMA	101,659,198	5.4%
NSWC Panama Cit	100,399,105	5.3%
Raytheon	91,235,635	4.8%
HARRIS	86,315,345	4.6%
NUWC Newport	73,034,617	3.9%
BAH	52,293,208	2.8%
FEDSIM	48,058,005	2.5%
NSA	45,116,619	2.4%
HANSCOM AFB	41,869,320	2.2%
SPAWAR	29,553,705	1.6%
SSC Norfolk	27,919,281	1.5%
STRATOS	25,269,360	1.3%
DELL	24,968,524	1.3%
NORTH/GRU	24,321,677	1.3%
NAVSEA	24,141,318	1.3%
DITCO	20,814,998	1.1%
GDDDS	18,003,898	1.0%
GD	16,941,171	0.9%
NRL	16,204,000	0.9%
MAXIM	14,735,117	0.8%
TBD	13,123,824	0.7%
DLS	12,647,680	0.7%
NSWC PHILA	12,560,215	0.7%
Under <\$10M	188,784,435	10.0%
<b>Total</b>	<b>1,885,309,632</b>	

\* Source: Data pulled on 14 Feb 2005. Appropriations: RDT&E,N, O&M,N, O&MN,R, and OPN.

**Our "Prime Contractor" is the Government**



# Objectives

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## 1. Build a Plan – *and Compete it!*

- Conformance with laws and regulations
- Integral use of documentation to define and manage each program
- Up-to-date acquisition strategy
- Best value through use of competition

## 2. Product Integration

- Focus on the delivery of “capabilities”
- Seek areas of commonality

## 3. Integrated C4I Platforms

- Focus on platform communities to deliver integrated suites of capability
- Deliver C4ISR solutions
  - New construction (e.g., ship)
  - Fleet modernization



# LSI Model

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## ❖ Four key elements:

- Program Management
- Systems Architect
- Technical Design Activity /Trusted Agent
- Lead Systems Integrator



# Program Management Roles

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- ❖ Acquisition Management
  - Implementation & Compliance
  - Contracts Coordination and Implementation
  - Title 10 responsibilities
- ❖ PPBES Coordination
  - Program Planning & Execution
  - FORCEnet Roadmap / GIG compliance/ SOA
- ❖ Requirements Documentation
  - JCIDS reflects FORCEnet Objectives
- ❖ Technical Definition required for Contracting
  - Design objectives implement FORCEnet
  - System requirements documented
  - Specifications to be Implemented





# System Architect Roles

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## ❖ PMW & SPAWAR

## ❖ Roles

- Define & manage Architectures
  - OV, TV, SV...
  - “AS IS” to the “TO BE”
- Define Components for FORCEnet
- Develop / oversee the technical/programmatic “Roadmap” needed to implement FORCEnet, GIG, .....



# TDA/Trusted Agent Roles

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- ❖ Technical Resources of Program Mgt & System Architect
  - Define Architecture
  - Provide Engineering Support
  - Translate Operational Requirements into Design Objectives
  - Define HSI
  - Support Technical Reviews
  - IV&V of LSI
  - Conduct T&E
  - Conduct Risk Management
  - Oversee Integrated Logistics Support
  - Oversee Installations



# Lead Systems Integrator Roles

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- ❖ Conduct Systems Engineering
  - Standardize Product Line
  - Build artifacts in support of design reviews
- ❖ Design/Develop? products assigned
- ❖ Procure HW/SW
- ❖ Integrate and Test component products
- ❖ Install/Fleet Support/ISEA
- ❖ Engineer solution compliant with ForceNet / GiG / Joint....



# Items Outside LSI Scope \*

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- ❖ System Architect (SA)
- ❖ Tech Authority/Trusted Agent, DT/OT, IV&V functions
- ❖ Judiciously selected items
  - Commodity procurements
    - Minimize number of LSI procuring common products
  - Major Acquisition Programs
    - Don't move major efforts in the middle of development to LSI
- ❖ All Functional and Platform PMWs in one LSI contract
  - Different domains & Too Large

\* NDIA Recommendations from brief to PEO (C4I&Space) on LSI



# Current Efforts

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## ❖ PEO “Deep Dive” study (16 May - 16 Nov 2005)

### ➤ Three phased effort

- Phase I – System Performer Analysis
- Phase II – Echelon III End Performer Analysis
- Phase III – Final Report and End Objective
  - Comprehensive FY04 Spend Plan data
  - Identification of GWBS discrepancies
  - Recommendations on way ahead

## ❖ 1xx PMWs

- Appointing LSI APMs
- Identifying key components of overall strategy
  - Overall scope within PMOs
  - Contractual transition points
  - Intersections with other programs
  - Alignment to C4I Integrated Roadmap



# Current Efforts

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- ❖ PMW 750 Pilot Project
  - Analyze efficacy of end-to-end ship check
    - Holes
    - Efficiency opportunities
  - Supports end-to-end PITCO
  - Possible lead-in to “One Truck”



# Way Ahead

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- ❖ Developing transition plans for functional domains
  - PMW 150 RFP in early CY06
  - SATCOM Lease Consolidation
  - ADNS Inc III Q3 FY06
  - Centrixs-M Block III Q2 FY07
- ❖ Investigating common LSI vehicles for multiple individual programs
  - ISNS/SubLAN/SCI Networks
- ❖ PMW 150 developed Roles & Responsibilities Matrix with SSC-SD, SSC-Chas
- ❖ Potential NDIA LSI conference in Feb timeframe

**Work Through the Challenges**